

Converting Colors

XYZ(17.2235, 20.8556, 20.9945)

Have a look what the booklet for
XYZ(17.2235, 20.8556, 20.9945)
contains.

XYZ(17.2572, 20.9559, 20.9046)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.2572, 20.9559,
20.9046)**

Conversions

Conversions Part 1

Format	Color
Hex	668578
RGB	102, 133, 120
RGB Percent	40%, 52%, 47%
CMY	0.6000, 0.4784, 0.5294
CMYK	0.23, 0.00, 0.10, 0.48
HSL	155°, 13%, 46%
HSV	155°, 23%, 52%
XYZ	17.2572, 20.9559, 20.9046
YIQ	122.2490, -14.3030, -10.6150

Conversions

Conversions Part 2

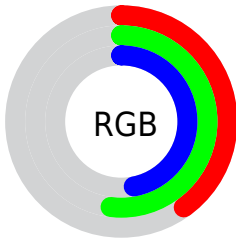
Format	Color
RYB	102, 122, 133
Decimal	6718840
CIELab	52.90, -13.86, 3.42
CIELCh	53, 14.276, 166.152
Yxy	20.9559, 0.2919, 0.3545
Android (android.graphics.Color)	4284908920 (0xFF668578)
YUV	122.2490, -1.1088, -17.7584
Hunter-Lab	45.7776, -12.8201, 4.9692

Details

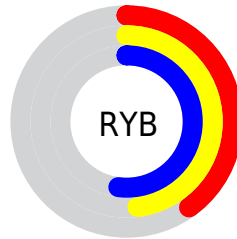
The XYZ color **17.2572, 20.9559, 20.9046** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.5195, 15.7277, 18.3330**, and the grayscale version is **18.5874, 19.5554, 21.2958**.

A 20% lighter version of the original color is **38.3317, 44.9664, 45.6888**, and **5.7843, 7.4387, 7.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.5405, 20.1095, 19.1085**, and if you desaturate by 10%, it is **19.2367, 21.9367, 22.8169**.

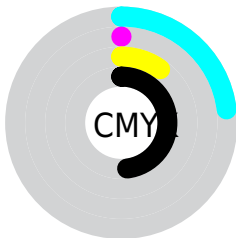
Distribution



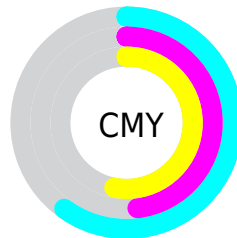
- Red (40%)
- Green (52%)
- Blue (47%)



- Red (40%)
- Yellow (48%)
- Blue (52%)



- Cyan (23%)
- Magenta (0%)
- Yellow (10%)
- Black (48%)



- Cyan (60%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2572, 20.9559, 20.9046 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 17.2572, 20.9559, 20.9046 by changing the saturation by 10% instead.

■ 17.2572, 20.9559,
20.9046

■ 17.2572, 20.9559,
20.9046

229.7777,
257.0440, 269.5354

■ 10.5145, 13.0918,
12.8637

■ 38.3076, 45.0141,
45.8074

■ 5.8063, 7.4918,
7.2051

■ 53.3459, 61.9770,
63.5065

■ 2.7672, 3.7715,
3.5103

■ 71.8802, 82.7416,
85.2620

■ 1.0319, 1.5466,
1.3608

■ 94.2757, 107.6923,
111.4925

■ 0.0000, 0.3212,
0.1108

120.8979,
137.2135, 142.6166

■ 0.0000, 0.0000,
0.0000

152.1120,

171.6896, 179.0527

188.2835,
211.5050, 221.2195

■ 17.2572, 20.9559,
20.9046

■ 17.2572, 20.9559,
20.9046

■ 15.5405, 20.1095,
19.1085

■ 19.2367, 21.9367,
22.8169

■ 14.0730, 19.3887,
17.4249

■ 21.4882, 23.0548,
24.8461

■ 12.8424, 18.7878,
15.8518

■ 24.0229, 24.3165,
26.9949

■ 11.8348, 18.2998,
14.3868

■ 26.8504, 25.7269,
29.2653

■ 11.0347, 17.9166,
13.0272

■ 29.9803, 27.2906,
31.6594

■ 10.4245, 17.6292,
11.7703

■ 33.4215, 29.0124,
34.1792

■ 9.9828, 17.4266,
10.6131

■ 37.1825, 30.8966,
36.8265

■ 9.7353, 17.3148,
9.8913

■ 41.2715, 32.9473,
39.6032

■ 45.6965, 35.1687,
42.5111

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.9174, 20.9559, 17.5800



17.2572, 20.9559, 20.9046



17.2844, 20.9559, 25.1832

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



17.2572, 20.9559, 20.9046



20.7278, 20.9559, 31.6662



21.9748, 20.9559, 17.3841

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17.2572, 20.9559, 20.9046



17.5195, 15.7277, 18.3330

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.8063, 20.9559, 20.6046



17.2572, 20.9559, 20.9046



22.0621, 20.9559, 29.0037

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



17.2572, 20.9559, 20.9046



19.2384, 20.9559, 31.7728



22.8390, 20.9559, 24.8435



20.6134, 20.9559, 15.7259

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17.2572, 20.9559, 20.9046



17.6875, 20.9559, 28.0226



22.8390, 20.9559, 24.8435



22.3285, 20.9559, 18.3004

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17.2578, 20.9568, 20.9051



36.8679, 40.4838, 43.0681



17.9139, 21.4096, 15.7591



8.2644, 9.1000, 9.6655



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.2578, 20.9568, 20.9051



29.2085, 36.6905, 35.6957



17.8212, 20.7338, 25.2541



4.7212, 5.2467, 5.5430



9.2767, 16.4935, 9.4427



0.0358, 0.0586, 0.0519

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.5195, 15.7277, 18.3330



29.7637, 25.6095, 30.2477



17.0288, 15.8605, 14.7346



4.7476, 4.7187, 5.2831



9.8923, 5.0213, 4.0050



0.0378, 0.0188, 0.0323

Previews

White Background



This preview shows how the XYZ color 17.2572, 20.9559, 20.9046 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 17.2572, 20.9559, 20.9046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2572, 20.9559, 20.9046

Background



This preview shows how black text looks on a background with the XYZ color 17.2572, 20.9559, 20.9046.

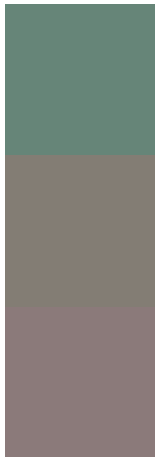


This preview shows how white text looks on a background with the XYZ color 17.2572, 20.9559,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

17.2572, 20.9559, 20.9046

Protanopia

19.8461, 20.7535, 19.4828

Deuteranopia

21.1198, 20.8132, 21.3166



Tritanopia

18.6601, 20.9229, 27.8660

Trichromacy



Original Color

17.2572, 20.9559, 20.9046

Protanomaly

18.6758, 20.7158, 19.8438

Deuteranomaly

19.5162, 20.7378, 21.0633

Tritanomaly

18.1756, 20.9293, 25.2721

Monochromacy



Original Color

17.2572, 20.9559, 20.9046

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.9823, 19.9470, 20.9916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2572, 20.9559, 20.9046 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 133, 120)` looks like.

```
.text, #text, p{  
    color:rgb(102, 133, 120)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 133, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 133, 120) }
```

Border

The CSS property to change the border of an element to XYZ 17.2572, 20.9559, 20.9046 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 133, 120) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(102, 133, 120) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(102, 133, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 133, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 133, 120);  
box-shadow:4px 4px 4px 4px rgb(102, 133,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2572, 20.9559, 20.9046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 133, 120) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
133, 120) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor